

## NORTHERN RAILWAY

**No.433-Sig/T/44/17-18**

**Dated: -12-06-18**

**Divisional Office,  
Firozpur.**

M/s Cyrus Electronics Pvt. Ltd,  
Cyrus House, B-44/69,  
Sector-Q, Aliganj,  
LUCKNOW (UP)-226024.

Sub: - Acceptance of tender in connection with Provision and AMC of CCTV Monitoring System at Sri Mata Vaishno Devi, Katra, over Firozpur Division.

Ref: Your offer against Tender No.433-Sig/T/44/17-18 opened on 16.03.18

1. Your offer for the above-mentioned work has been accepted and the contract is awarded in your favour by the competent authority for and on behalf of president of India at a total cost of Rs.83,42,047/69 (Rs. Eighty-three lacs forty-two thousand forty-seven and paise sixty-nine only) FOR destination including sales tax and all other taxes and duties etc. with the following stipulations. AS per GST Act 171(a) firm will pass on benefit of ITC to Railway.
2. This letter may be treated as letter of Acceptance. You are required to furnish the security deposit for Rs.417103/- (Rs. Four lacs seventeen thousand one hundred three only) in favour of Sr. Divisional Finance Manager, Northern Railway, Firozpur within 30 days from the receipt of Letter of Acceptance. Extension of time for submitting or PG beyond 30(Thirty days) and up to 60 days from the date of issue of LOA may be given by the authority who is competent to sign the contract agreement. However, a penal interest of 15% per annum shall be charged for the delay beyond 30 days i.e., from 31" days after the date of issue of LOA. In case you fail to submit the requisite PG even after 60 days from the date of issue of LOA, the Contract shall be terminated forfeiting EMD and other dues, if any payable against that Contract. The Contractor shall be debarred for re-participating in tender for that work. This PG shall be withheld with the Railway for the proper fulfillment of the contractual obligations and the same will be released only after physical completion of work based on completion certificate issued by the competent authority stating that the contractor has completed the work in all respects satisfactorily. The earnest money of Rs.2,14,970/- (Rs. Two lacs fourteen thousand nine hundred seventy only) deposited by you through Transaction ID NE2107431/IK00NOQL6 dt.15-03-18 also been retained in this office till full security money i.e. 5% of the contract value is deducted from bills for which deduction @ 10% will be made from each on account bill of yours in terms or Para 4.1 of conditions of contract of tender document. The Security deposit will, however, be released only after expiry of the maintenance period and after passing the final bill based on "No Claim" Certificate from yours.,
3. Please attend this office to sign the agreement immediately on receipt of this acceptance letter, failing which action will be taken under general conditions of Contract. Till signing of Contract Agreement, this letter will be binding between you and railway.
4. The work should be commenced immediately under the supervision of concerned SSE/Tele/JAT by deploying sufficient staff and material. In this connection you are requested to report ADSTE/JAT immediately to take further instructions regarding commencement or the work so as to complete the work within the stipulated period of completion of work.
5. The entire work should be completed within six months for Schedule: A" and 60 months for Schedule B from the date of issue of this letter. You will be advised in due course about the signing of the contract agreement.
6. Accounting Unit for the work is Sr. Divisional Finance Manager, Northern Railway, Firozpur.
7. The receipt of this letter may please be acknowledged falling which it will be presumed that you are not interested in this contract.

8. The letter of acceptance is issued without any prejudice in general terms and conditions of the contract.
9. Please note that all terms and conditions are the same as embodied with tender.
10. The rate of item no. 14,18 &21 are restricted for future comparison. Quantity of this item should not be increased without approval of Competent Authority
11. The rates of item No. 1,2,7,8,9,10,11,12,13,14,15,19,20,22,24 & 27 of Schedule "A" and all items of Schedule "B" are restricted for future comparison being on lower side. Quantity of these items should not be decreased beyond the agreement quantity without prior approval of competent authority.
12. Quality of work and workman ship shall be strictly watched and all types of records like joint inspection of work site, maintenance of site register shall be strictly followed.
13. As per GST Act 171(1) ITC availed by Contractor will be passed on to Railway.
14. Affidavit as per 10.0 will be submitted by MD of Company before signing agreement without which no payment will be released against this work.
15. The Details of Schedule of work including quantities of items to be supplied are enclosed as Annexure-A

**DA/As above**

**Divisional Signal &Telecom Engineer/C**

**Northern Railway, Firozpur**

Copy for information and necessary action to-

1. **Sr.DFM/NR/Firozpur.**
2. **ADSTE/JAT**
3. **SSE/Tele/JAT**
4. **Labour Enforcement Commissioner (Central), Gandhi Nagar, Jammu for Information.**

ANNEXURE-A							
Provision & AMC of CCTV Monitoring at Sri Mata Vaishno Devi katra							
Sno		Unit	Qty	Estimated Cost	Rate of M/s Cyrus Elec/LKO		Inspection by
1	Supply, installation, testing and commissioning of all cameras along with housing and mount as per RDSO Specification RDSO/SPN/ TC/65/2016, Rev. 4.0 or latest. Inspection or material by RDSO/ RITES & execution by Consignee			3507360.24	50.85% below	'Rs.1723867/56 (Rs. Seventeen lacs twenty-three thousand eight hundred sixty-seven & paise fifty-six only)	Inspection of material by RDSO & execution by consignee
a	P/T/Z (Pan/Tift/Zoom) IP Color Camera	Nos.	10				
b	Full HD Fixed BOX Type IP Color camera	Nos.	38				
c	4K UHD Fixed Box Type IP Color camera	Nos.	6				
2	Supply, installation, testing and Consignee. commissioning of large format 42" LCD/LED display monitor as per clause 9.0 of RDSO/SPN/TC/65/ 2016, Rev.4.0 or latest. Inspection by consignee.	Nos.	4	309790.40	42.48% Below.	Rs.178191/44 (Rs. One lac seventy-eight thousand one hundred ninety-one & paisa forty-four only)	Consignee.
3	Supply, installation, testing and commissioning of Network video management server with printer and all accessories i.e., Housing and mount as per clause number 10.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest inspection by consignee.	Nos.	1	273833.76	9.56% above	Rs. 300012/27 (Rs. Three lacs. Twelve & paisa twenty-seven only)	Consignee.
4	Supply, installation testing & commissioning of Server Hardware for network video recording with all accessories as per clause 10.1 of RDSO/SPN/TC/65/2016. Rev.4.0 or latest inspection by consignee.	Nos.	1	294432.24	1.90% above	Rs.300026/45 (Rs. Three lacs twenty-six & paisa forty-five only)	Consignee.
5	Supply, Installation, testing and commissioning of Server Hardware for network analytics & Face Recognition with all accessories as per clause 10.1 of RDSO/SPN/TC/65/2016. Rev.4.0 or latest inspection by consignee.	Nos.	1	284547.15	5.44% above	Rs.300026/51 (Rs. Three lacs twenty-six & paisa fifty-one only)	Consignee
6	Supply, installation, testing and commissioning of PC Workstation for viewing, monitoring & system management as per clause 11.0 RDSO/SPN/TC/65/2016, Rev.4.0 or latest. LED monitor 24' size with UHD resolution to be provided along with PC workstation inspection by consignee.	Nos.	2	152735.42	At per	Rs.152735/42 (Rs. One lac fifty-two thousand seven hundred thirty-five & paisa thirty-two only)	Consignee

7	Supply, installation, testing and commissioning of external storage with all accessories as per clause no.12.0 of RDSO/SPN/TC/65/2016, Rev.4.0 or latest. Hardware and software (clause no.12.0) Capable of storing video for thirty days for the stations) with minimum 72 TB RAW usable storage capacity after RAID 5/6 Configuration. inspection of Supply by RDSO/RITES & execution by consignee.	Nos.	2	1458257.96	41.71% below	Rs.850018/56 (Rs. Eight lacs fifty thousand eighteen & paise fifty-six only)	Inspection of supply by RDSO/RITES & execution by consignee
8	Supply, installation testing & commissioning of software consisting of the following requirement: - a) Network video management b) Network video recording c) video analytic d) Graphical user interface client software e) Face recognition software. License to Support for (i)32 Camera for video analytics. (ii) 6 Camera for Face recognition with 50000 Face Database. (iii) User licenses for viewing and Playback videos. With lifetime license validity as per clause 18.0,19.0&20.0 of RDSO/SPN/TC/65/2016 Rev. 4.0 or latest network management software for monitoring and troubleshooting the network also to be provided with 2 copy backup CD per camera point price for software for any decreases or increases (Clause no. 18.0 and 20.0) with licensing to various features and to support the entire installed camera at 1 station. Inspection of supply by RDSO/RITES & execution by consignee.	Lot	1	1110493.60	14.45% Below	Rs.950027/27 (Rs. Nine lacs fifty thousand twenty-seven & paise twenty-seven only)	Inspection of supply by RDSO/RITES & execution by consignee
9	Supply of 8 ports 10/100/1000 Base T PoE with 2 or more 1000 Base X ports Layer 2 Switch with Required Fiber module (Configuration of ports shall be as per clause 13.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest inspection by consignee	Nos.	18	437927.22	40.63% below	Rs.259997/39 (Rs. Two lacs fifty-nine thousand nine hundred ninety-seven & paise thirty-nine only)	Consignee
10	Installation, testing and Commissioning of 8 ports 10/100/1000Base T PoE with 2 or more 1000 Base X ports Layer 2	Nos.	18	66741.84	73% below	Rs. 18020/30 (Rs. Eighteen thousand	

	Switch with Required fiber module as per site requirement, switch as per clause 13.0 of RDSO/SPN/TC/65/2016 Rev.4.0 or latest. Inspection By Consignee					twenty & paisa thirty only)	
11	Supply & installation of Digital keyboard (joystick) with all accessories compatible with PTZ camera as per clause 8.0 of RDSO/SPN/TC/65/16 Rev.4.0 or latest. Inspection by Consignee.	Nos.	1	2372.8	10.45%	Rs.2124/84 (Rs. Two thousand one hundred twenty-four & paisa eighty-four only)	consignee
12	Supply of 24 port Layer 3 managed switch with 16 nos. 1000'baseXSM SFP port. 4 nos. 1000 base T Ethernet. 1 Stackable dedicated 10G port with stack cable with fiber optical module (Configuration of ports shall be as per site requirement) with all accessories as per clause no. 14.0 of RDSO Spec RDSO/SPN/TC/65/2016 (Rev 4.0) or latest. (Inspection by RITES) with stackable cable. Inspection by Consignee	Nos.	1	170002.8	16.70% below	Rs.141612/33 (Rs. one lac forty-one thousand six hundred twelve & paisa thirty-three only)	consignee
13	Installation. Testing and Commissioning of 24 ports Layer 3 managed switch. Inspection by Consignee.	Nos.	1	6296.4	60.29% below	Rs.2500/30 (Rs. Two thousand five hundred & paisa thirty only)	consignee
14	Supply of STP (shielded twisted pair) CAT-6 cable as per clause 17.1 of RDSO specification No. RDSO/SPN/TC/ 65/2016 Rev.4.0 or latest. Inspection by Consignee.	Mtr.	3000	100440	18.42% above	Rs.118941/05 (Rs. One lac eighteen thousand nine hundred forty-one & paisa five only)	consignee
15	Supply of Optic fiber cable single mode 6 fiber armored cable as per clause 5.15.12 of RDSO/SPN/TC/ 65/2009 or latest. Inspection by consignee	Mtr.	5000	227450	43.97% below	Rs.127440/24 (Rs. One lac twenty-seven thousand four hundred forty & paisa twenty 'Four only)	consignee
16	Laying of OFC/CAT-6/UTP cable in 1" PVC conduit/casing capping ISI marked heavy (HMS) series as per IS:9537-part III1983 standard or latest with suitable clamping & other accessories (PVC conduit/casing capping with suitable clamping & other accessories to Be supplied by Contractor). Inspection by Consignee	Mtr.	8000	187200	6.84% above	Rs.200004/48 (Rs. Two lacs four & paisa forty-eight only)	consignee

17	Supply of Power Cable 3 Core 2.5 sq mm, multi strand copper conductor, PVC insulated, Armored, confirming to IS: 1554 Part-I as per clause 17.3 of RDSO specification No. RDSO/SPN/TC/65/2016 Rev.4.0 or latest. Inspection by Consignee.	Mtr.	4500	491445	8.43% below	Rs.450016/19 (Rs. Four lacs fifty thousand sixteen & paisa nineteen only)	consignee
18	Laying of Power cable in 1" PVC conduit /casing capping ISI marked heavy (HMS) series as per IS:9537-part III1983 standard or latest with suitable clamping & other accessories (PVC conduit /casing capping with suitable clamping & other accessories to be -supplied by Contractor). inspection by Consignee.	Mtr.	4500	165465	20.88% above	Rs.200014/09 (Rs. Two lacs fourteen & paisa nine only)	Consignee
19	Supply & Installation of 19' 42U smart rack of APW president or rittal or HCL make. rack with all accessories like electrical fitting, fan tray, patch panel etc. for housing IP storage unit as per technical specification given. Inspection by Consignee	Nos.	1	56053.51	25.07% below	Rs.42000/90 (Rs. Forty-two thousand & paisa ninety only)	Consignee
20	Supply of rack form factor 9U wall mount 19" equipment rack, with power supply board, protection cable ground, front cover glass make by VERLACK or APW PRESIDENT or Rittal or HCL. Inspection by Consignee.	Nos	19	154365.12	44.61% below	Rs.85502/84 (Rs. Eighty-five thousand five hundred two & paisa eighty-four only)	Consignee
21	Supply of furniture for surveillance control room a) Executive chair revolving (Godrej Make Model no. PCH-7102R or better) bearing series low back floating chair with normal arms cushioned chair -3 No's, (b) Executive table size. 66"X36"X 30" with 3 drawers one side, lockers cabinet on other side - 3 No's (Godrej make model No. T-104 or better). inspection by Consignee.	Set	1	24480	386.98% above	Rs.119212/70 (Rs.one lac nineteen thousand two hundred twelve & paisa seventy only)	Consignee
22	Supply of fiber optic patching cord FC-FC/FC-PC/FC-SC/LC-SC/LC-LC (10 Mtrs length) as per site requirement/ Site Engineer. MAKE- Priston or STS or better. Inspection by Consignee	Nos.	60	62995.80	19.08% below	Rs50976/20 (Rs. Fifty thousand nine hundred seventy-six & paisa twenty only)	Consignee
23	Supply of UPS (online) 10 KVA capacity as per RDSO Specification no. RDSO/PE/SPEC/PS/0023-2001 (Rev-0) Amendment no. 2 or latest Inspection by Consignee	Nos.	1	221760	9.81% below	Rs.200005/34 (Rs. Two lacs five & paisa thirty-four only)	Consignee

24	installation, Testing & commissioning of UPS (online) 10 KVA capacity as per RDSO Specification no. RDSO/PE/SPEC/PS/0023-2001(Rev-0) Arendt no. 2 or latest Installation includes prov. or required UPS points through. power distribution panel consisting or required MCBs, Switches and Sockets or suitable ratings with all wiring & termination accessories in control. Room to run the system on UPS.inspection by consignee.	Nos.	1	6600	69.69% below	Rs.2000/46 (Rs. Two thousand & paisa forty-six only)	Consignee
25	<b>Trenching Pucca</b>						
a	Cutting of trench on/ across platform for a depth of 10 cm. and a width of 10 cm with marble cutting machine and filling the trench after cable laying and restoring the surface with plaster etc. as per instruction given by railway site engineer.	Mtr	600	179260.35	0.45% above	Rs.180067/02 (Rs.one lac eighty thousand sixty-seven & paisa two only)	Instruction given by railway site engineer
b	Excavation and refilling of trench to the level of ground with rammed earth so as to not to form a drain 0.3 mtr. Wide & 1 mtr. Deep from the foot or the rail or stone paved / Concrete/ Platform earth profile whichever is lower, on other side of the station along the track It shall confirm 10 the safe distance as per telecom practice and cable plan in all type or soil .it also includes clearance or roots of trees & bushes . Execution as per Railway site engineer.	Mtr.	500				
c	Laying of cable of different sizes and corage in all different type of trench. Inspection by consignee	Km.	1.1				
26	Supply of Program maintenance console for system monitoring as per specification attached. Make - HP or Dell or Sony.	No.	1	36445.59	3.96% below	Rs.35002/34 (Rs. Thirty-five. thousand two & paisa 1h1r1y four only)	consignee
27	Supply and installation of maintenance free earth as per specs. RDSO/SPN/197/2008 or latest with amendments, consisting of i) Copper bonded steel Earth electrodes 3.0mtr. long, dia 17. 0mm - 04 Nos. ii) Earth Enhancing compound (Bags sealed 35 Kg per electrode). iii) Copper bus bar at earth electrode 25mm width x 6mm thick x	Set	2	52581.32	23.92% Below	Rs.40003/87 (Rs. Forty thousand three & paisa eighty-seven only)	consignee

150mm long one per electrode) Copper tape of size 25mm x 2mm of required length as per location for interconnecting earth electrode - 04 Nos. v) Copper bus bar near equipment 25mm width x 6mm thick x 300mm long (MEEB) - 2 Nos. vi) Supply of PVC Insulated multistrand 35 Sq.mm Copper Cable as per IS: 694 to connect Main Earth Busbar to Busbar of Main Earth Electrode in duplicate. -100 mtr. vii) Supply of PVC Insulated multistrand 10 Sq.mm Copper Cable as per IS: 694 to connect Individual equipment to Main Earth Busbar. - 100 mtr. viii) Inspection Chamber of size 300X300X300 mm (Inside dimension) concrete box with smooth cement plaster finish, A concrete lid, pointe black; approx. 50 mm thick inspection b Consignee						
<b>Total for Schedule "A"</b>						<b>7030348.36</b>
<b>Total for Schedule "A" Rs. Seventy lacs thirty thousand three hundred forty &amp; paisa six only)</b>						

<b>Schedule -B (AMC of CCTV monitoring at Sri Mata Vaishno Devi katra for 5 years)</b>							<b>ANNEXURE-B</b>
		<b>Unit</b>	<b>QTY for 5 years</b>	<b>Estimated Cost</b>	<b>Rates of M/s Cyrus Elec/ LKO</b>		
					<b>Discount Above/Below</b>	<b>Total amount for 5 years</b>	<b>Inspection by</b>
1	AMC of Full HD Fixed Box Type IP Colour Camera Varifocal Lens, Housing and Mount as per RDSO clause 5.0 of RDSO/SPN/TC/651 2016 Rev.4 .0 or latest Inspection by Consignee (Qty 38 No.per year x 5 Year = 190 Nos for 5 years.)	Nos.	190	526875.69	45 .90% below	R s.285039/75 (Rs. Two lacs eighty-five thousand thirty-nine & paisa seventy- five only)	Consignee
2	AMC of Full HD P/T/Z IP Colour camera along with housing and mount as per clause 7.0 of RDSO/SPN/TC/65/2016 Rev 4 .0 or latest inspection by Consignee (Qty 10 No per year X 5 Years =50 No s for 5 years l	Nos.	50	509039	41.06% below	Rs.300027/59 (Rs Three lacs twenty-seven & paisa fifty-nine. only)	Consignee
3	AMC of 4K UHD Fixed Box Type IP Colour Camera. Varifocal Lens. Housing and Mount as per RDSO clause-5.0 of RDSO/SPN/TC/65/2016 Rev 4.0 or latest inspection by Consignee (Qty.6 No per year X 5 Years = 30 No's for 5 years l	Nos.	30	223138.5	43 .98% below	Rs.125002/19 (Rs One lac twenty-five thousand two & paisa nineteen only)	Consignee
4	AMC of 42" Large Format Display Monitor (LED) as per clause 9.0 of	Nos.	20	111206.8	67.62% below	Rs.36008/76 (Rs. Thirty-six thousand eight	Consignee





	(ii) 6 Cameras for Face Recognition with 50,000 Face Database,						
	(iii) 5 User Licenses for Viewing and Playback videos						
	With life time license validity as per clause 18.0,19.0 and 20.0 or RDSO/ SPN/TC/65/2016 Rev.4.0 or latest Network management software for monitoring and troubleshooting the network also to be provided with 2 copy backup CD per camera point price for software for any decrease or increase (Clause no 18.0 and 20.0) with licensing to various features and to support the entire installed camera at 01 station Inspection by Consignee. (Qty 1 No per year X 5 Years = 5 Nos for 5 years)						
11	AMC of 8 ports 10/100/1000 Base T PoE with 2 or mere 1000 Base X ports Layer 2 Switch with Required Fiber module (Configuration of ports shall be as per site requirement), switch as per clause 13.0 of RDSO/ SPN/TC/65/2016 Rev.4.0 or latest Inspection by Consignee (Qty. 18 No. per year X 5 Years =90 Nos for 5 years)	Nos.	90	157204.8	42.74% below	Rs.90015/47 (Rs. Ninety thousand fifteen paisa forty-seven only)	consignee
12	AMC of Digital keyboard (Joystick) with all accessories compatible with PTZ camera as per clause 8.0 of RDSO/SPN/TC/65/2016 Rev 4.0 or latest Inspection by Consignee. (Qty 1 No. per year X 5 Years =5 Nos for 5 years)	Nos.	5	851.75	41.00% below	Rs.502/53 (Rs. Five hundred two & paisa fifty-three only)	Consignee
13	AMC of 24 port Layer 3 managed switch with 16 nos. 1000 base X SM SFP port. 4 nos. 1000 base T Ethernet, 1 Stackable dedicated 10G port with stack cable with fiber optical module (Configuration of ports shall be as per site requirement) with all accessories as per clause no 14.0 of RDSO Spec RDSO/ SPN/TC/65/2016 Rev .4.0) or latest Inspection by Consignee Qty. 1 No per year X 5 Years =5 Nos for 5 years)	Nos.	5	61026.65	59.03% below	Rs.25002/62 (Rs. Twenty-five thousand two & paisa sixty-two only)	consignee

14	AM of UPS (Online) 10 KVA Capacity as per RDSO Specification no RDSO/PE/SPEC/PS/0023 -2001 (Rev-0) Amendment no 2 or latest inspection by Consignee (Qty 1 No per year X 5 Years =5Nos for 5 years)	Nos.	5	79606.15	49.75% below	Rs.40002/09 (Rs. Forty thousand two & paisa nine only)	consignee
	<b>Total of schedule "B"</b>					<b>1311699.33</b>	
<b>Total of Schedule "b" Rs. Thirteen lacs eleven thousand six hundred ninety &amp; paisa thirty-three only</b>							
<b>Total of Schedule A+B= Rs. 8342047/69</b>							
<b>(Rs. Eighty-three lacs forty-two thousand forty seven &amp; paisa sixty nine only</b>							